
Sequence Listing was accepted.

If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).

Reviewer: Durreshwar Anjum

Timestamp: [year=2009; month=10; day=2; hr=14; min=17; sec=36; ms=131;]

Validated By CRFValidator v 1.0.3

Application No: 10566266 Version No: 2.0

Input Set:

Output Set:

Started: 2009-09-21 16:02:07.463

Finished: 2009-09-21 16:02:07.897

Elapsed: 0 hr(s) 0 min(s) 0 sec(s) 434 ms

Total Warnings: 3

Total Errors: 0

No. of SeqIDs Defined: 16

Actual SeqID Count: 16

Error code		Error Description								
W	402	Undefined	organism	found	in	<213>	in	SEQ	ID	(10)
W	402	Undefined	organism	found	in	<213>	in	SEQ	ID	(11)
W	402	Undefined	organism	found	in	<213>	in	SEQ	ID	(12)

SEQUENCE LISTING

<110>	JURIDICAL FOUNDATION THE CHEMO-SERO-THERAPEUTIC RESEARCH INSTITUTE	
<120>	A method for the production of high expression recombinant fibrinogen producing cells	
<130>	2003TE0717	
<140>	10566266	
<141>	2009-09-21	
<160>	16	
<170>	PatentIn version 3.5	
<210>	1	
<211>	45	
<212>	DNA	
<213>	Homo sapiens	
<400>	1	
ccccaaq	gett gtegaegeea eeatgtttte eatgaggate gtetg	45
<210>	2	
<211>	60	
<212>		
<213>	Homo sapiens	
<400>	2	
ccatcga	atgg atccgtcgac ttactagggg gacagggaag gcttccccaa aggagaagtg	60
<210>	3	
<211>	60	
<212>	DNA	
<213>	Homo sapiens	
<400>	3	
ccccaaç	gett gtegaegeea eeatgaaaea tetattattg etaetattgt gtgtttttet	60
<210>	4	
<211>	60	
<212>	DNA	
<213>	Homo sapiens	
<400>	4	
cggaatt	ctg atcagtcgac ttactattgc tgtgggaaga agggcctgat cttcatactc	60
<210>	5	
<211>	56	
<212>	DNA	
<213>	Homo sapiens	

tecetetaga gataggeaac aettaceaet gataaaaatg aaaceagtte eagaettggt

tcccggaaat tttaagagcc agcttcagaa ggtaccccca gagtggaagg cattaacaga

catgccgcag atgagaatgg agttagagag acctggtgga aatgagatta ctcgaggagg

ctccacctct tatggaaccg gatcagagac ggaaagcccc aggaacccta gcagtgctgg

aagctggaac tetgggaget etggaeetgg aagtaetgga aacegaaace etgggagete

tgggactgga gggactgcaa cctggaaacc tgggagctct ggacctggaa gtactggaag

ctggaactct gggagctctg gaactggaag tactggaaac caaaaccctg ggagccctag

acctggtagt accggaacct ggaatcctgg cagctctgaa cgcggaagtg ctgggcactg

720

780

840

900

960

1020

1080

1140

gacctctgag	agctctgtat	ctggtagtac	tggacaatgg	cactctgaat	ctggaagttt	1200
taggccagat	agcccaggct	ctgggaacgc	gaggcctaac	aacccagact	ggggcacatt	1260
tgaagaggtg	tcaggaaatg	taagtccagg	gacaaggaga	gagtaccaca	cagaaaaact	1320
ggtcacttct	aaaggagata	aagagctcag	gactggtaaa	gagaaggtca	cctctggtag	1380
cacaaccacc	acgcgtcgtt	catgctctaa	aaccgttact	aagactgtta	ttggtcctga	1440
tggtcacaaa	gaagttacca	aagaagtggt	gacctccgaa	gatggttctg	actgtcccga	1500
ggcaatggat	ttaggcacat	tgtctggcat	aggtactctg	gatgggttcc	gccataggca	1560
ccctgatgaa	gctgccttct	tcgacactgc	ctcaactgga	aaaacattcc	caggtttctt	1620
ctcacctatg	ttaggagagt	ttgtcagtga	gactgagtct	aggggctcag	aatctggcat	1680
cttcacaaat	acaaaggaat	ccagttctca	tcaccctggg	atagctgaat	tcccttcccg	1740
tggtaaatct	tcaagttaca	gcaaacaatt	tactagtagc	acgagttaca	acagaggaga	1800
ctccacattt	gaaagcaaga	gctataaaat	ggcagatgag	gccggaagtg	aagccgatca	1860
tgaaggaaca	catagcacca	agagaggcca	tgctaaatct	cgccctgtca	gaggtatcca	1920
cacttctcct	ttggggaagc	cttccctgtc	cccctagtaa	gtcgacggat	ccatcgatgg	1980

<210> 8

<211> 1479

<212> DNA

<213> Homo sapiens

<400> 8

ccccaagctt	gtcgacgcca	ccatgaaaca	tctattattg	ctactattgt	gtgtttttct	60
agttaagtcc	caaggtgtca	acgacaatga	ggagggtttc	ttcagtgccc	gtggtcatcg	120
accccttgac	aagaagagag	aagaggctcc	cagcctgagg	cctgccccac	cgcccatcag	180
tggaggtggc	tatcgggctc	gtccagccaa	agcagctgcc	actcaaaaga	aagtagaaag	240
aaaagcccct	gatgctggag	gctgtcttca	cgctgaccca	gacctggggg	tgttgtgtcc	300
tacaggatgt	cagttgcaag	aggetttget	acaacaggaa	aggccaatca	gaaatagtgt	360
tgatgagtta	aataacaatg	tggaagctgt	ttcccagacc	tcctcttctt	cctttcagta	420
catgtatttg	ctgaaagacc	tgtggcaaaa	gaggcagaag	caagtaaaag	ataatgaaaa	480
tgtagtcaat	gagtactcct	cagaactgga	aaagcaccaa	ttatatatag	atgagactgt	540
gaatagcaat	atcccaacta	accttcgtgt	gcttcgttca	atcctggaaa	acctgagaag	600
caaaatacaa	aagttagaat	ctgatgtctc	agctcaaatg	gaatattgtc	gcaccccatg	660

cactgtcagt	tgcaatattc	ctgtggtgtc	tggcaaagaa	tgtgaggaaa	ttatcaggaa	720
aggaggtgaa	acatctgaaa	tgtatctcat	tcaacctgac	agttctgtca	aaccgtatag	780
agtatactgt	gacatgaata	cagaaaatgg	aggatggaca	gtgattcaga	accgtcaaga	840
cggtagtgtt	gactttggca	ggaaatggga	tccatataaa	cagggatttg	gaaatgttgc	900
aaccaacaca	gatgggaaga	attactgtgg	cctaccaggt	gaatattggc	ttggaaatga	960
taaaattagc	cagcttacca	ggatgggacc	cacagaactt	ttgatagaaa	tggaggactg	1020
gaaaggagac	aaagtaaagg	ctcactatgg	aggattcact	gtacagaatg	aagccaacaa	1080
ataccagatc	tcagtgaaca	aatacagagg	aacagccggt	aatgccctca	tggatggagc	1140
atctcagctg	atgggagaaa	acaggaccat	gaccattcac	aacggcatgt	tcttcagcac	1200
gtatgacaga	gacaatgacg	gctggttaac	atcagatccc	agaaaacagt	gttctaaaga	1260
agacggtggt	ggatggtggt	ataatagatg	tcatgcagcc	aatccaaacg	gcagatacta	1320
ctggggtgga	cagtacacct	gggacatggc	aaagcatggc	acagatgatg	gtgtagtatg	1380
gatgaattgg	aaggggtcat	ggtactcaat	gaggaagatg	agtatgaaga	tcaggccctt	1440
cttcccacag	caatagtaag	tcgactgatc	agaattccg			1479

<210> 9

<211> 1359

<212> DNA

<213> Homo sapiens

<400> 9

ccccaagctt	gtcgacgcca	ccatgagttg	gtccttgcac	ccccggaatt	taattctcta	60
cttctatgct	cttttatttc	tctcttcaac	atgtgtagca	tatgttgcta	ccagagacaa	120
ctgctgcatc	ttagatgaaa	gattcggtag	ttattgtcca	actacctgtg	gcattgcaga	180
tttcctgtct	acttatcaaa	ccaaagtaga	caaggatcta	cagtctttgg	aagacatctt	240
acatcaagtt	gaaaacaaaa	catcagaagt	caaacagctg	ataaaagcaa	tccaactcac	300
ttataatcct	gatgaatcat	caaaaccaaa	tatgatagac	gctgctactt	tgaagtccag	360
gaaaatgtta	gaagaaatta	tgaaatatga	agcatcgatt	ttaacacatg	actcaagtat	420
tcgatatttg	caggaaatat	ataattcaaa	taatcaaaag	attgttaacc	tgaaagagaa	480
ggtagcccag	cttgaagcac	agtgccagga	accttgcaaa	gacacggtgc	aaatccatga	540
tatcactggg	aaagattgtc	aagacattgc	caataaggga	gctaaacaga	gcgggcttta	600
ctttattaaa	cctctgaaag	ctaaccagca	attcttagtc	tactgtgaaa	tcgatgggtc	660

tggaaatgga tggactgtgt t	ttcagaagag	acttgatggc	agtgtagatt	tcaagaaaaa	720
ctggattcaa tataaagaag ç	gatttggaca	tetgteteet	actggcacaa	cagaattttg	780
gctgggaaat gagaagattc a	atttgataag	cacacagtct	gccatcccat	atgcattaag	840
agtggaactg gaagactgga a	atggcagaac	cagtactgca	gactatgcca	tgttcaaggt	900
gggacctgaa gctgacaagt a	accgcctaac	atatgcctac	ttegetggtg	gggatgctgg	960
agatgeettt gatggetttg a	attttggcga	tgatcctagt	gacaagtttt	tcacatccca	1020
taatggcatg cagttcagta o	cctgggacaa	tgacaatgat	aagtttgaag	gcaactgtgc	1080
tgaacaggat ggatctggtt o	ggtggatgaa	caagtgtcac	gctggccatc	tcaatggagt	1140
ttattaccaa ggtggcactt a	actcaaaagc	atctactcct	aatggttatg	ataatggcat	1200
tatttgggcc acttggaaaa o	cccggtggta	ttccatgaag	aaaaccacta	tgaagataat	1260
cccattcaac agactcacaa t	ttggagaagg	acagcaacac	cacctggggg	gagccaaaca	1320
ggctggagac gtttaataag t	tcgacggatc	cgaattccg			1359
<210> 10 <211> 60 <212> DNA <213> Baculovirus <400> 10 ccgctcgagg aattcgccac c <210> 11 <211> 54 <212> DNA <213> Baculovirus <400> 11 ccgctcgagg aattctactc c <210> 11 ccgctcgagg aattctactc c					54
<211> 1035 <212> DNA					
<213> Baculovirus					
<400> 12 ccgctcgagg aattcgccac (catgtgtgta	atttttccgg	tagaaatcga	cgtgtcccag	60
acgattattc gagattgtca g	ggtggacaaa	caaaccagag	agttggtgta	cattaacaag	120
attatgaaca cgcaattgac a	aaaacccgtt	ctcatgatgt	ttaacatttc	gggtcctata	180

cgaagcgtta cgcgcaagaa caacaatttg cgcgacagaa taaaatcaaa agtcgatgaa 240

caatttgatc aactagaacg cgattacagc gatcaaatgg atggattcca cgatagcatc	300
aagtatttta aagatgaaca ctattcggta agttgccaaa atggcagcgt gttgaaaagc	360
aagtttgcta aaattttaaa gagtcatgat tataccgata aaaagtctat tgaagcttac	420
gagaaatact gtttgcccaa attggtcgac gaacgcaacg actactacgt ggcggtatgc	480
gtgttgaage egggatttga gaaeggeage aaceaagtge tatetttega gtacaaeeeg	540
attggtaaca aagttattgt geegtttget eaegaaatta aegaeaeggg aetttaegag	600
tacgacgtcg tagcttacgt ggacagtgtg cagtttgatg gcgaacaatt tgaagagttt	660
gtgcagagtt taatattgcc gtcgtcgttc aaaaattcgg aaaaggtttt atattacaac	720
gaagcgtcga aaaacaaaag catgatctac aaggctttag agtttactac agaatcgagc	780
tggggcaaat ccgaaaagta taattggaaa attttttgta acggttttat ttatgataaa	840
aaatcaaaag tgttgtatgt taaattgcac aatgtaacta gtgcactcaa caaaaatgta	900
atattaaaca caattaaata aatgttaaaa tttattgcct aatattattt tgtcattgct	960
tgtcatttat taatttggat gatgtcattt gtttttaaaa ttgaactggc tttacgagta	1020
gaattcctcg agcgg	1035
<210> 13 <211> 77 <212> DNA	
<213> Homo sapiens <400> 13 ccatcgatgg atccgtcgac ttactattgg gtcacaaggg gcctaatttt catgcgaaca	60
<400> 13	60 77
<pre><400> 13 ccatcgatgg atccgtcgac ttactattgg gtcacaaggg gcctaatttt catgcgaaca gccctgaggg aatatag <210> 14 <211> 2646 <212> DNA <213> Homo sapiens</pre>	
<pre><400> 13 ccatcgatgg atccgtcgac ttactattgg gtcacaaggg gcctaatttt catgcgaaca gccctgaggg aatatag <210> 14 <211> 2646 <212> DNA</pre>	
<pre><400> 13 ccatcgatgg atccgtcgac ttactattgg gtcacaaggg gcctaatttt catgcgaaca gccctgaggg aatatag <210> 14 <211> 2646 <212> DNA <213> Homo sapiens </pre>	77
<pre><400> 13 ccatcgatgg atccgtcgac ttactattgg gtcacaaggg gcctaatttt catgcgaaca gccctgaggg aatatag <210> 14 <211> 2646 <212> DNA <213> Homo sapiens <400> 14 ccccaagctt gtcgacgcca ccatgttttc catgaggatc gtctgcctgg tcctaagtgt</pre>	77 60

gattgatgaa gtcaatcaag attttacaaa cagaataaat aagctcaaaa attcactatt 300

tgaatatcag aagaacaata	aggattctca	ttcgttgacc	actaatataa	tggaaatttt	360
gagaggcgat ttttcctcag	ccaataaccg	tgataatacc	tacaaccgag	tgtcagagga	420
tctgagaagc agaattgaag	tcctgaagcg	caaagtcata	gaaaaagtac	agcatatcca	480
gcttctgcag aaaaatgtta	gagctcagtt	ggttgatatg	aaacgactgg	aggtggacat	540
tgatattaag atccgatctt	gtcgagggtc	atgcagtagg	gctttagctc	gtgaagtaga	600
tctgaaggac tatgaagatc	agcagaagca	acttgaacag	gtcattgcca	aagacttact	660
tccctctaga gataggcaac	acttaccact	gataaaaatg	aaaccagttc	cagacttggt	720
tcccggaaat tttaagagcc	agcttcagaa	ggtaccccca	gagtggaagg	cattaacaga	780
catgccgcag atgagaatgg	agttagagag	acctggtgga	aatgagatta	ctcgaggagg	840
ctccacctct tatggaaccg	gatcagagac	ggaaagcccc	aggaacccta	gcagtgctgg	900
aagctggaac tctgggagct	ctggacctgg	aagtactgga	aaccgaaacc	ctgggagctc	960
tgggactgga gggactgcaa	cctggaaacc	tgggagctct	ggacctggaa	gtactggaag	1020
ctggaactct gggagctctg	gaactggaag	tactggaaac	caaaaccctg	ggagccctag	1080
acctggtagt accggaacct	ggaatcctgg	cagctctgaa	cgcggaagtg	ctgggcactg	1140
gacctctgag agctctgtat	ctggtagtac	tggacaatgg	cactctgaat	ctggaagttt	1200
taggccagat agcccaggct	ctgggaacgc	gaggcctaac	aacccagact	ggggcacatt	1260
tgaagaggtg tcaggaaatg	taagtccagg	gacaaggaga	gagtaccaca	cagaaaaact	1320
ggtcacttct aaaggagata	aagagctcag	gactggtaaa	gagaaggtca	cctctggtag	1380
cacaaccacc acgcgtcgtt	catgctctaa	aaccgttact	aagactgtta	ttggtcctga	1440
tggtcacaaa gaagttacca	aagaagtggt	gacctccgaa	gatggttctg	actgtcccga	1500
ggcaatggat ttaggcacat	tgtctggcat	aggtactctg	gatgggttcc	gccataggca	1560
ccctgatgaa gctgccttct	tcgacactgc	ctcaactgga	aaaacattcc	caggtttctt	1620
ctcacctatg ttaggagagt	ttgtcagtga	gactgagtct	aggggctcag	aatctggcat	1680
cttcacaaat acaaaggaat	ccagttctca	tcaccctggg	atagctgaat	tcccttcccg	1740
tggtaaatct tcaagttaca	gcaaacaatt	tactagtagc	acgagttaca	acagaggaga	1800
ctccacattt gaaagcaaga	gctataaaat	ggcagatgag	gccggaagtg	aagccgatca	1860
tgaaggaaca catagcacca	agagaggcca	tgctaaatct	cgccctgtca	gagactgtga	1920
tgatgtcctc caaacacatc	cttcaggtac	ccaaagtggc	attttcaata	tcaagctacc	1980
gggatccagt aagattttt	ctgtttattg	cgatcaagag	accagtttgg	gaggatggct	2040

tttgatccag caaagaatgg	atggatcact	gaattttaac	cggacctggc	aagactacaa	2100
gagaggtttc ggcagcctga	atgacgaggg	ggaaggagaa	ttctggctag	gcaatgacta	2160
cctccactta ctaacccaaa	ggggctctgt	tcttagggtt	gaattagagg	actgggctgg	2220
gaatgaagct tatgcagaat	atcacttccg	ggtaggctct	gaggctgaag	gctatgccct	2280
ccaagtetee teetatgaag	gcactgcggg	tgatgctctg	attgagggtt	ccgtagagga	2340
aggggcagag tacacctctc	acaacaacat	gcagttcagc	acctttgaca	gggatgcaga	2400
ccagtgggaa gagaactgtg	cagaagtcta	tgggggaggc	tggtggtata	ataactgcca	2460
agcagccaat ctcaatggaa	tctactaccc	tgggggctcc	tatgacccaa	ggaataacag	2520
tccttatgag attgagaatg	gagtggtctg	ggtttccttt	agaggggcag	attattccct	2580
cagggctgtt cgcatgaaaa	ttaggcccct	tgtgacccaa	tagtaagtcg	acggatccat	2640
cgatgg					2646
<210> 15 <211> 77 <212> DNA <213> Homo sapiens <400> 15 cggaattcgg atccgtcgac gtttccgcag ggtgctc <210> 16 <211> 1407 <212> DNA <213> Homo sapiens	ttactacaaa	tcatcctcag	ggtaaagtga	gtcatattct	60 77
<400> 16 ccccaagctt gtcgacgcca	ccatgagttg	gtccttgcac	ccccggaatt	taattctcta	60
cttctatgct cttttatttc	tctcttcaac	atgtgtagca	tatgttgcta	ccagagacaa	120
ctgctgcatc ttagatgaaa	gattcggtag	ttattgtcca	actacctgtg	gcattgcaga	180
tttcctgtct acttatcaaa	ccaaagtaga	caaggatcta	cagtctttgg	aagacatctt	240
acatcaagtt gaaaacaaaa	catcagaagt	caaacagctg	ataaaagcaa	tccaactcac	300
ttataatcct gatgaatcat	caaaaccaaa	tatgatagac	gctgctactt	tgaagtccag	360
gaaaatgtta gaagaaatta	tgaaatatga	agcatcgatt	ttaacacatg	actcaagtat	420

tcgatatttg caggaaatat ataattcaaa taatcaaaag attgttaacc tgaaagagaa 480

ggtagcccag ctt	gaagcac ag	gtgccagga	accttgcaaa	gacacggtgc	aaatccatga	540
tatcactggg aaa	gattgtc aa	agacattgc	caataaggga	gctaaacaga	gcgggcttta	600
ctttattaaa cct	ctgaaag ct	taaccagca	attcttagtc	tactgtgaaa	tcgatgggtc	660
tggaaatgga tgg	actgtgt t	tcagaagag	acttgatggc	agtgtagatt	tcaagaaaaa	720
ctggattcaa tat	aaagaag ga	atttggaca	tctgtctcct	actggcacaa	cagaattttg	780
gctgggaaat gag	aagattc at	tttgataag	cacacagtct	gccatcccat	atgcattaag	840
agtggaactg gaa	gactgga at	tggcagaac	cagtactgca	gactatgcca	tgttcaaggt	900
gggacctgaa gct	gacaagt a	ccgcctaac	atatgcctac	ttegetggtg	gggatgctgg	960
agatgccttt gate	ggctttg at	ttttggcga	tgatcctagt	gacaagtttt	tcacatccca	1020
taatggcatg cag	ttcagta co	ctgggacaa	tgacaatgat	aagtttgaag	gcaactgtgc	1080
tgaacaggat gga	tetggtt g	gtggatgaa	caagtgtcac	gctggccatc	tcaatggagt	1140
ttattaccaa ggt	ggcactt ad	ctcaaaagc	atctactcct	aatggttatg	ataatggcat	1200
tatttgggcc act	tggaaaa co	ccggtggta	ttccatgaag	aaaaccacta	tgaagataat	1260
cccattcaac aga	ctcacaa t	tggagaagg	acagcaacac	cacctggggg	gagccaaaca	1320
ggtcagacca gag	caccctg co	ggaaacaga	atatgactca	ctttaccctg	aggatgattt	1380
gtagtaagtc gac	ggateeg aa	attccg				1407